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ning of each regular issue of the PCT Gazette.

(54) Title: ErbB-2 RECEPTOR TARGETING PEPTIDE

(57) Abstract: The ErbB-2 receptor, a member of the tyrosine kinase type 1 family of receptors, has been implicated in many human malignancies. Bacteriophage display technology was employed to identify peptides that bound to the extracellular domain of human ErbB-2. The peptide KCCYSL, most frequently occurring in the affinity selected population, was chemically synthesized and characterized for its binding activities to the recombinant extracellular domain of ErbB-2. The synthetic peptide exhibits high specificity to ErbB-2 as well as to ErbB-1, another member of ErbB family. Thus, this peptide can be employed in cancer imaging or therapeutic agent targeting to malignant cells ErbB-2 receptor.



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# INTERNATIONAL SEARCH REPORT

International application No  
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**A. CLASSIFICATION OF SUBJECT MATTER**  
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According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/060492 A (CYTOPIA PTY LTD ; BURNS CHRISTOPHER JOHN (AU); WILKS ANDREW FREDERICK) 8 August 2002 (2002-08-08) the whole document claims 7-17,25-34	1-62
P,A	WO 03/089434 A (CELLULAR GENOMICS INC) 30 October 2003 (2003-10-30) the whole document	1-62
P,X	WO 2004/022562 A (CELLULAR GENOMICS INC) 18 March 2004 (2004-03-18) the whole document	1-62
P,X	WO 2004/026877 A (SCHERING CORP) 1 April 2004 (2004-04-01) the whole document	1-62

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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